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J.E. Whitten, C.E. Young, M.J. Pellin, D.M. Gruen and P.L. Jones, Electron-stimulated desorption of neutrals from methanol-dosed Al(111) – velocity distributions and adsorbate decomposition determined by nonresonant laser ionization 241 (1991) 73

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A. Lakhlifi and C. Girardet, Potential surfaces and adsorption energy of Xe, CH_4, N_2, CO, NH_3 and CH_3F molecules on a MgO substrate 241 (1991) 400

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A. Lakhlifi and C. Girardet, Potential surfaces and adsorption energy of Xe, CH_4, N_2, CO, NH_3 and CH_3F molecules on a MgO substrate 241 (1991) 400

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Oxygen

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J.S. Zabinski, T. George and B.J. Tatarchuk, Chemical reactivity at buried-interfaces. II. Iron on non-stoichiometric and/or defected molybdenite 241 (1991) 171
A. Schellenberger, R. Schlaf, T. Mayer, E. Holub-Krappe, C. Pettenkofer, W. Jaegermann, U.A. Ditzinger and H. Neddermeyer, Na adsorption on the layered semiconductors SnS_2 and WSe_2 241 (1991) L25
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H. Nakahara and A. Ichimiya, Structural study of Si growth on a Si(111)7 × 7 surface 241 (1991) 124
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T. Ichinokawa, T. Inoue, H. Izumi and Y. Sakai, Epitaxial growth in Cu/Si(001)2 × 1 at high temperatures 241 (1991) 416
A. Bensaoula, J.Y. Veuillen, T.A. Nguyen Tan, J. Derrien and M. De Crescenzi, Study of the Co/Si(111) interface formation using electron energy loss spectroscopy 241 (1991) 425

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J. Eugène, B. Aufray and F. Cabané, Equilibrium of segregation in Ag/Cu(111): kinetics and isotherms 241 (1991) 1
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X.-L. Zhou and J.M. White, Alkyl halide photochemistry on Ag(111). III. Methyl iodide 241 (1991) 270
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S.-C. Chang and M.J. Weaver, Influence of coadsorbed bismuth and copper on carbon monoxide adlayer structures at ordered low-index platinum–aqueous interfaces 241 (1991) 11
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J.S. Zabinski, T. George and B.J. Tatarchuk, Chemical reactivity at buried-interfaces. II. Iron on non-stoichiometric and/or defected molybdenite 241 (1991) 171

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X.-L. Zhou and J.M. White, Alkyl halide photochemistry on Ag(111). II. Methyl bromide 241 (1991) 259
X.-L. Zhou and J.M. White, Alkyl halide photochemistry on Ag(111). III. Methyl iodide 241 (1991) 270

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G. Pirug, C. Ritke and H.P. Bonzel, Adsorption of H_2O on Ru(001). I. Bilayer and clusters 241 (1991) 289

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P. Yannoulis, K.-H. Frank and E.-E. Koch, Electronic structure and orientation of anthracene on Ag(111) 241 (1991) 325

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E.G. Michel, Th. Pauly, V. Eteläniemi and G. Materlik, Adsorption of I on Si(111) and Si(110) surfaces 241 (1991) 111